

Task Name: RECONNAISSANCE, RECOVERY & SAMPLING

**TASK HAZARD ANALYSIS (THA)
WATER OPERATIONS
EPA REGION 6
Date: May 2008**

TASK NAME

SAMPLING

Task Description

This task hazard analysis refers the process of Recon, Recovery and/or Sampling which involves water operations. This THA should be used in addition to any THA for specific tasks in the field.

Chemical Hazards	Physical Hazards	Biological Hazards	Radiological Hazards
Unknown – incident specific (see HASP)	Drowning Petroleum Products (crude oil, gasoline, diesel oil, lube oils, etc.) Inclement Weather Stress/Fatigue Heat/Cold Stress Injury from falling into the water (slips, trips, falls) Water conditions (water level too high or low, currents, subsurface obstructions) Operation of vessel (proper training for use of boat)	<ul style="list-style-type: none">• Poisonous plants (while getting in and out of boat)• Animals, alligators• Snakes• Insects• Mosquitoes	Unknown

Minimum PPE	Other Equipment
-USCG-approved Personal Flotation Device-one type I, II, III, or IV for each person (Class A-less than 16 feet) One type I, II, or III for each person plus one Type IV available to be thrown (Class 1 – 16 feet to less than 26 feet) - appropriate footwear - clothing to provide protection from extremes of heat and cold - water resistant outer garment	-First aide kit -Fire extinguisher -Cell phone -Radio -BBP kit -Maps -Water -GPS -Binoculars -Signaling device (whistle, bell) -Visual distress signals - Oil-resistant coveralls, gloves, boots, face shields, eye protection - Air monitoring equipment (gas meter for Explosive Atmosphere, Hydrogen Sulfides and Sulfur compounds; Benzene, or other Petroleum Products as needed) - Respiratory Protection appropriate to prevent overexposure.
Minimum Training	
40 Hour HAZWOPER If operating the boat – proper training and/or license for type/size of boat being used	

Applicable FLD/ OSHA REGS	Safety Considerations
-FLD 02 Inclement Weather -FLD 05 Heat Stress Prevention & Monitoring -FLD 06 Cold Stress -FLD07 Wet Feet -FLD 10 Manual Lifting of Heavy Objects -FLD 15 Remote Areas -FLD18 Operation and Use of Boats -FLD 19 Working Over or Near Water -FLD 22 Heavy Equipment Operation -FLD 32 Fire Extinguisher -FLD41 Hand and Emergency Signals -FLD 44 Biological Hazard	ACCOUNTABILITY - CHECK IN or PHONE IN when you are expected to arrive. Public - Be aware that sleeplessness, anxiety, anger, hyperactivity, mild depression, or lethargy is normal for response from victims. Hyperthermia /heat-related problems, including heat stroke, heat exhaustion, heat cramps, and fainting. Drink plenty of fluids, wear light-colored, loose- fitting clothing, avoid caffeine, and DO NOT WAIT TO GET THIRSTY . STRESS/FATIGUE Follow work/rest ration 2:1; do not drive Fatigue dulls concentration and slows reaction time. If possible, take breaks to stretch your body. Drink plenty of water (it will be hot). Avoid the following: 1.Overloading, overpowering, and improper trim, 2.High speed turns, especially in rough water, 3.failure to keep a sharp lookout for obstructions, 4.Going out in bad weather,5.standing in a moving boat, 6.having too much weight too high in the boat, 7. leaks in the fuel system, 8. going too far offshore, 9. Prevent skin/eye/ingestion contact with Petroleum Products during operations.

Sampling Procedures

Sampling apparatus and equipment should be weighted and the weight marked on the outside surface for convenience in balancing the load in a boat. It will also make it easier to calculate the total load being placed in a boat and to avoid overloading. In figuring the load on the boat, remember to add the estimated weight of samples to be gathered on the trip.